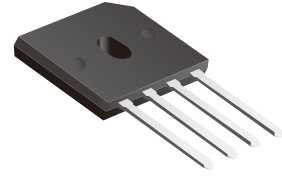


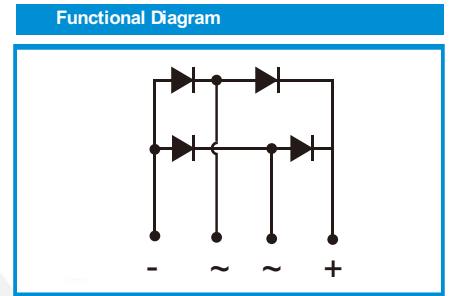
Glass Passivated Bridge Rectifiers

Features

- Polarity:AS Marked on body
- Surge overload ratings to 150 amperes peak
- Ideal for printed circuit board application
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has U/L
The flammability classification 94V-0
- Mounting Position:Any
- Weight:0.138ounce,3.9 grams



GBU



Maximum Ratings & Thermal Characteristics

Rating at 25°C ambient temperature unless otherwise specified,Resistive or inductive load,60HZ.
 For Capacitive load derate current by 20%

Parameter	Symbol	LTGU 4005G	LTGU 401G	LTGU 402G	LTGU 404G	LTGU 406G	LTGU 408G	LTGU 410G	unit	
Marking		GBU 4005G	GBU 401G	GBU 402G	GBU 404G	GBU 406G	GBU 408G	GBU 410G		
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V	
Maximum RMS bridge input voltage	VRMS	35	70	140	280	420	560	700	V	
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum average forward rectified output current at TA=40°C	IF(AV)					4.0				A
						2.4				
Peak forward surge current single sine-wave superimposed on rated load(JEDEC Method)	IFSM					150				A
Maximum instantaneous forward voltage drop per leg at 4.0A	VF					1.0				V
Maximum DC reverse current at rated TA=25°C DC blocking voltage per element TA=125°C	IR					5				uA
						500				
Rating for fusing(t<8.3ms)	I ² t					93				A ² sec
Typical junction capacitance per element(1)	Cj					39				pF
Typical thermal resistance per element(2)	RθJC					4.0				°C/W
Operating junction and storage temperature range	Tj TSTG					-55 to +150			°C	

Notes: (1)Measured at 1.0MHz and applied reverse voltage of 4.0 volts.
 (2)Device mounted on 150mm*150mm*1.6mm Cu plate heatsink.

Rating and Characteristic Curves (TA=25°C Unless otherwise noted)

FIG.1- FORWARD CURRENT DERATING CURVE

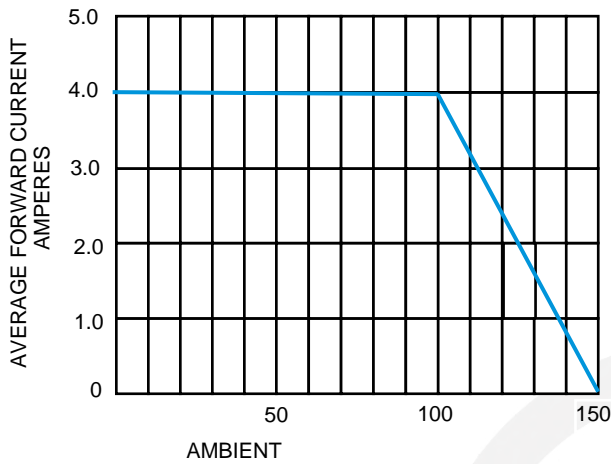


FIG.2-MAXIMUM FORWARD SURGE CURRENT

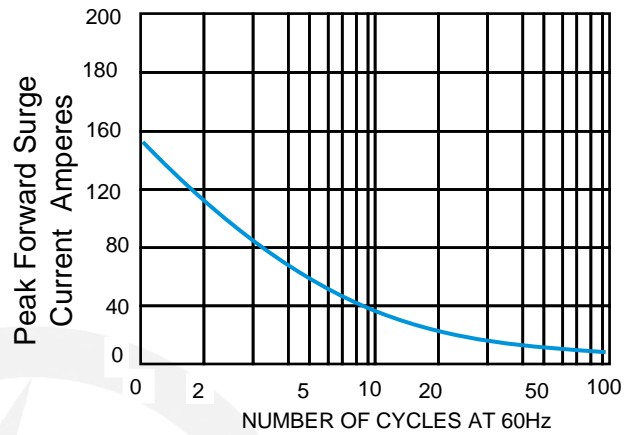


FIG.4-TYPICAL FORWARD CHARACTERISTICS

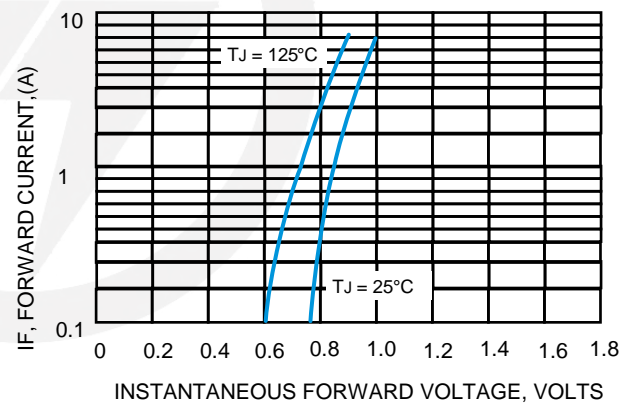
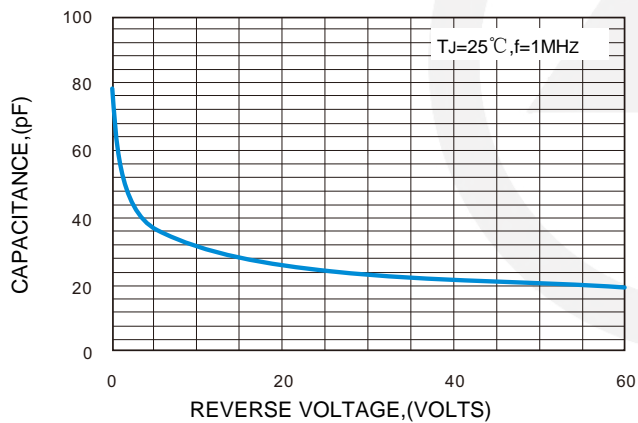
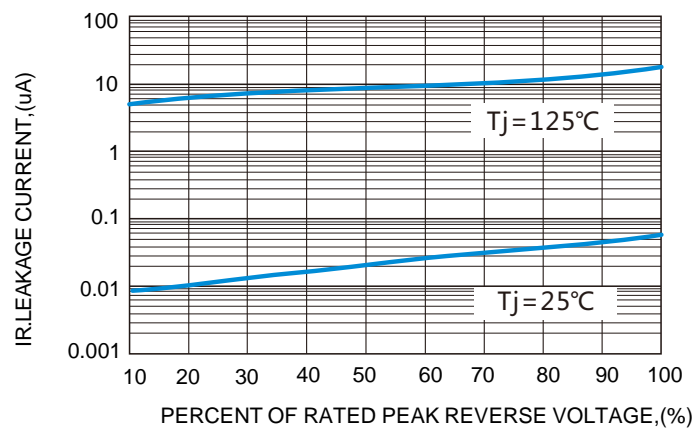
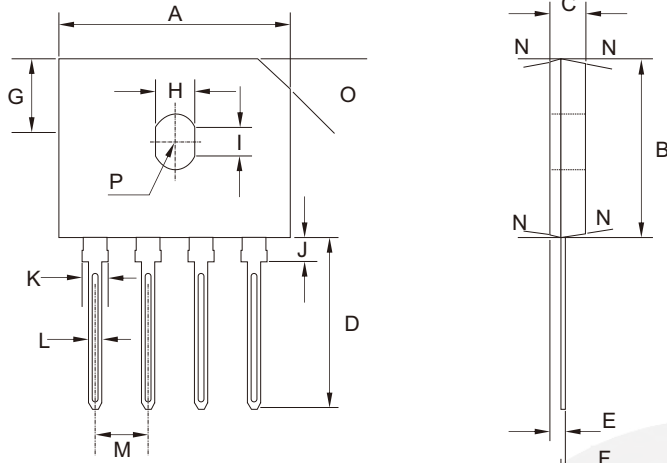


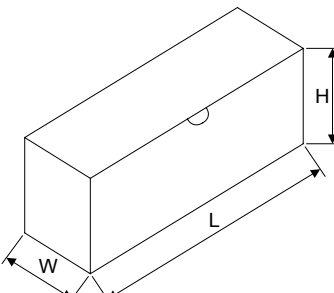
FIG.5-TYPICAL REVERSE CHARACTERISTICS



GBU Package Outline


Symbol	Dimensions In Millimeters	
	Min	Max
A	21.80	22.30
B	18.30	18.80
C	3.30	3.56
D	17.50	18.00
E	0.76	1.00
F	0.46	0.56
G	7.40	7.90
H	3.50	4.10
I	1.65	2.16
J	1.85	2.75
K	1.95	2.35
L	1.02	1.27
M	4.83	5.33
N	7° TYP.	
O	3.2x45°	
P	1.90	

Packaging

Box 	L	314±5.0
	W	106±5.0
	H	39.0±5.0
	Quantity: 350PCS	